

CLAIM AMENDMENTS

1           1. (original) A disk- or bar-shaped tool for chip-  
2 removing machining, in particular for cutting profiles in a  
3 workpiece such as a rotationally driven crankshaft to be machined,  
4 having several peripheral cutting inserts (11) radially clamped to  
5 a tool mount (10),  
6 characterized in that  
7 at least one cutting insert (11) is fixed in a cassette-shaped  
8 holder (12) and the cassette-shaped holder (12) is axially  
9 adjustable by means of an adjustment wedge (13) near where it bears  
10 on the cutting insert (11) and/or is radially adjustable by an  
11 adjustment wedge (33).

1           2. (original) The disk-shaped tool according to claim  
2 1, characterized in that the cassette-shaped holder (12) has a  
3 doubly bent shape (15, 16, 17) with an upper part (15) having a  
4 front face forming the support surface for the cutting insert (11)  
5 and a back face bearing on an adjustment wedge (13), and a lower  
6 part (17) extending parallel to but offset from the upper part (15)  
7 is fixed on the disk-shaped mount (10) by means of a mounting screw  
8 (31, 35) passing through a bore, the upper and lower parts (15 and  
9 17) being connected by a central transverse web (16) and wherein  
10 the adjustment wedge (13) can shift the upper part (15) into  
11 different axial positions by bending.

1           3. (currently amended) The tool according to claim 1  
2     [[or 2]], characterized by an axial range of adjustment between  
3     0.1 mm and 0.3 mm.

1           4. (currently amended) The tool according to ~~one of~~  
2     ~~claims~~ claim 1 [[to 3]], characterized in that the lower part (17)  
3     of the cassette-shaped holder (12) has a threaded bore into the  
4     rear of which engages a screw (31) seated in the tool mount (10).

1           5. (currently amended) The tool according to ~~one of~~  
2     ~~claims~~ claim 1 [[to 3]], characterized in that to radially adjust  
3     the cassette-shaped holder (12) there is an adjustment wedge (33)  
4     that bears on a lower side face of the holder (12) and that is  
5     movable to effect a radial adjustment of the holder (12).

1           6. (original) The tool according to claim 5,  
2     characterized in that the lower part (17) of the cassette-shaped  
3     holder (12) has a stepped bore (40) accommodating a shaft and a  
4     head of a mounting screw (34) whose head bears with a face (3) on a  
5     complementary shoulder (37) of the bore, a shaft of the mounting  
6     screw (35) engaging in a threaded bore (36) of the disk-shaped tool  
7     mount.

1           7. (currently amended) The tool according to ~~one of~~  
2 ~~claims claim~~ 1 [[to 6]], characterized in that the adjustment wedge  
3 (13, 33) has a throughgoing threaded bore receiving a threaded end  
4 of a double-threaded screw (23, 34) whose other end is engaged in a  
5 threaded bore of the disk-shaped tool mount (10).

1           8. (currently amended) The tool according to ~~one of~~  
2 ~~claims claim~~ 1 [[to 7]], characterized in that to clamp the  
3 cassette-shaped holder (12) in place there is a counter screw (29)  
4 that engages in a stepped bore of the disk-shaped tool mount and a  
5 threaded blind bore (30) in a back face of the upper part (15) of  
6 the cassette-shaped support (12).

1           9. (currently amended) The tool according to ~~one of~~  
2 ~~claims claim~~ 2 [[to 8]], characterized in that the mounting screw  
3 for clamping the cassette-shaped holder (12) bears with axially  
4 and/or radial prestress on the disk- or bar-shaped tool mount (10).

1           10. (currently amended) The tool according to ~~one of~~  
2 ~~claims claim~~ 1 [[to 9]], characterized in that the cutting insert  
3 (11) is indexable and has a PKD insert.

1           11. (currently amended) The tool according to ~~one of~~  
2 ~~claims claim~~ 1 [[to 10]], characterized in that the disk-shaped  
3 tool mount (50) carries at least one tangentially clamped cutting

4 insert (51) or a bar-shaped tool mount carries on its upper edge a  
5 clamped cutting insert, wherein the cutting insert (51) that is  
6 tangentially clamped or clamped to the upper edge is radially  
7 adjustable for working the outer surface profile of a workpiece.

1 12. (original) The tool according to claim 11,  
2 characterized in that the tangentially or upper-edge-mounted  
3 cutting insert (51) is fixed in a cassette (52) that is mounted in  
4 a tool-mount seat and is adjustable radially by an adjustment wedge  
5 (55).

1 13. (original) The tool according to claim 12,  
2 characterized in that the cassette (52) is clamped by at least one  
3 clamping wedge (53).

1 14. (currently amended) The tool according to claim 12  
2 [[or 13]], characterized in that the clamping wedge (53) and/or the  
3 adjustment wedge (55) are engaged by a double-threaded screw (54 or  
4 56) having one end engaged in a throughgoing hole of the adjustment  
5 wedge (55) or of the clamping wedge (53) and another end in a  
6 threaded bore of the tool mount (50).